GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA

UNSTARRED QUESTION NO:1308
ANSWERED ON:27.11.2000
DAMAGE TO SOYABEAN CROP
VIJAY KUMAR KHANDELWAL

Will the Minister of AGRICULTURE be pleased to state:

(a) whether the crop of soyabean has become infected by rust disease in certain parts of Madhya Pradesh during the last few years;

(b) if so, whether any research work has been conducted by the Union Government to protect this crop from the disease;

(c) if so, the details thereof;

(d) whether any proposal has been sent by Jawaharlal Nehru Agriculture University, Jabalpur to the Indian Council of Agriculture Research, Delhi in this regard; and

(e) if so, the action taken thereon?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (DR. DEBENDRA PRADHAN)

(a) Yes, Sir. The soybean growing districts which have been affected by rust disease since 1994 are: Betul; Chhindwars; Seoni; Jabalpur; Narsinghpur; Hosangabad; Indore; Ujjain and Dhar.However, of late, the incidence of rust has been very low during the year 1999 and rust did not appear in the year 2000.

(b) Research work has been done by the National Research Centre, Indore to develop technologies for protection of crop from the disease.

(c) Varieties of soybean having tolerance/resistance to rust have been identified. These are: PK 1024, PK 1029 and Indira soybean-9.

It has also been found that continuous crop of soybean in Kharif followed by rabi season is more prone for disease development. Therefore in no case more than one crop of soybean is to be grown in a year at a location.

Cultural practices such as summer ploughing/clean cultivation, burning of rust infected plants/crop residues reduced the incidence of disease.

Prophylactic as well as curative sprays of Hexaconazole or Propiconazole or triadimefon @ 0.1% at the time of flowering or at the time of disease appearance is recommended. Second need based spray may also be given at an interval of 15 days.

(d) & (e) Yes, Sir. One project entitled `Epidemiology and Management of soybean rust` was received from Jawaharlal Nehru Krishi Vishwa Vidhyalaya, Jabalpur by the Indian Council of Agricultural Research and the same was sanctioned on 23..3.1999.

Another Project entitled `Soybean Rust and its Management` was received on 18.11.1999 for founding under National Agricultural Technology Project of ICAR.The Project was reviewed on February 24-25, 2000.Some concrete guidelines have been given to the P.I. of the Project to revise the Project.